

FIG. 2.

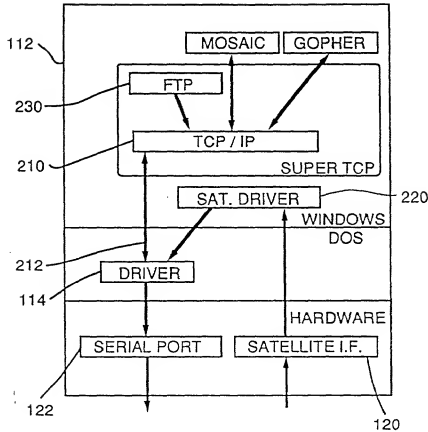


FIG. 3.

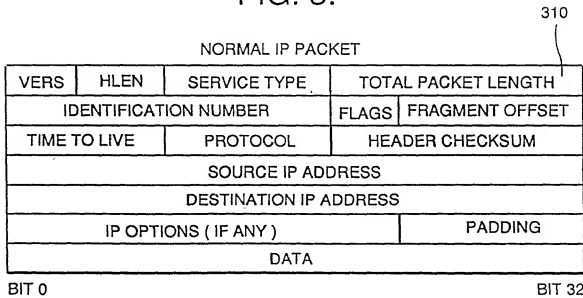


FIG. 4.

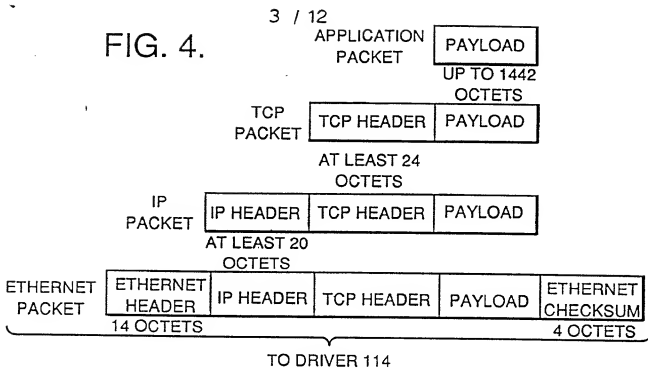
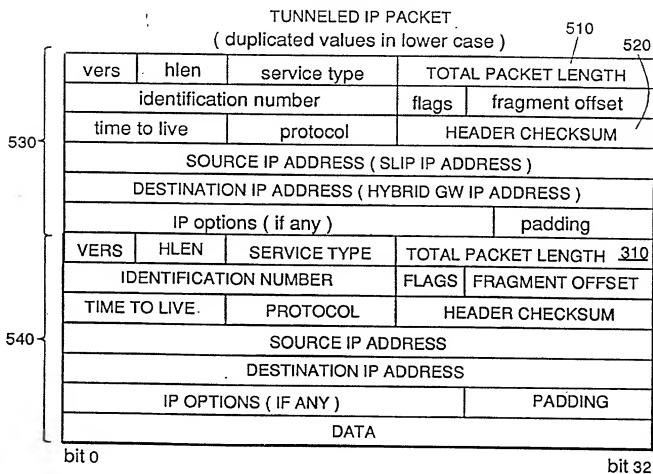


FIG. 5.



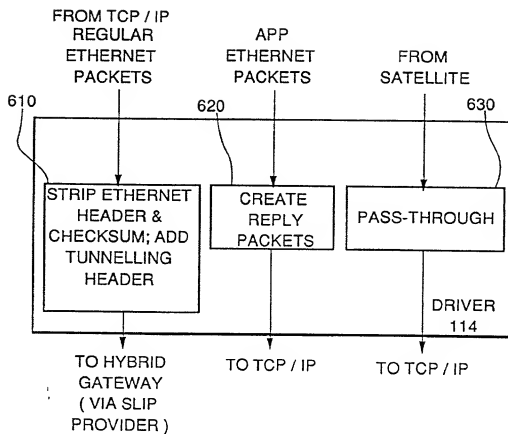


FIG. 6.

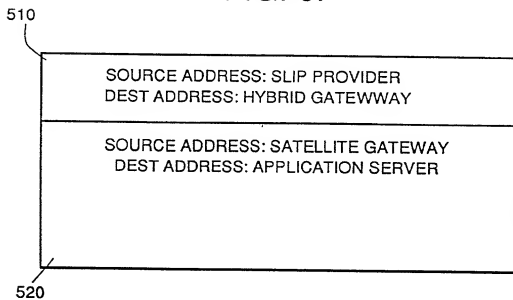


FIG. 7.

FIG. 8.

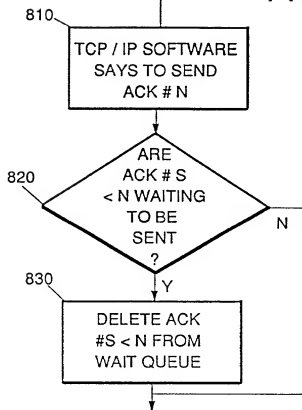


FIG. 9.

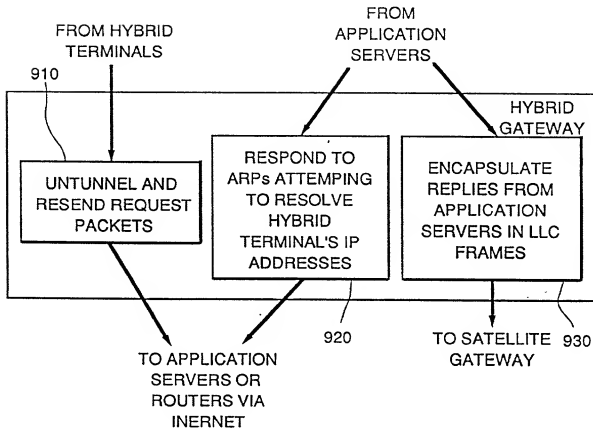


FIG. 10.

1030 LLC HEADER	1020 SATELLITE HEADER	1010 IP DATAGRAM (PAYLOAD)
DELIVERS PACKET TO SATELLITE GATEWAY STRIPPED OFF IN SATELLITE GATEWAY	USED TO ID CORRECT RECEIVER TERMINAL STRIPPED OFF IN BIC DRIVER IN USER TERMINAL	DESTINED FOR TCP/IP PACKAGE IN USER TERMINAL

FIG. 11.

	0	4	10	16	24	31
1102	SOURCE PORT			DESTINATION PORT		
	SEQUENCE NUMBER					
	ACKNOWLEDGEMENT NUMBER					
1104	HLEN	RESERVED	CODE BITS	WINDOW		
1106	CHECKSUM			URGENT POINTER		
	OPTIONS (IF ANY)				PADDING	
	DATA					
	...					
	TCP PACKET					

1054681.11301

FIG. 12.

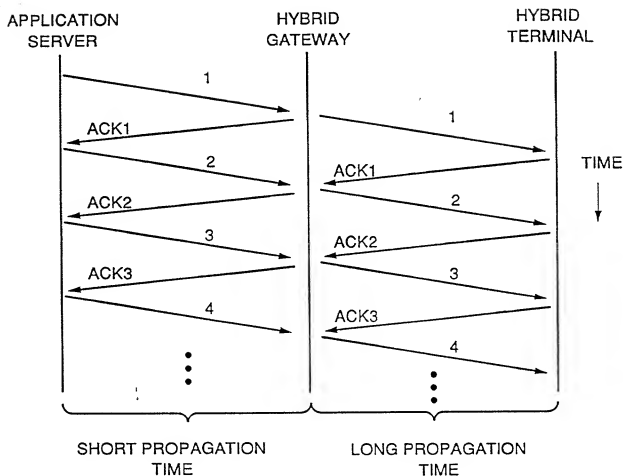


FIG. 13a.

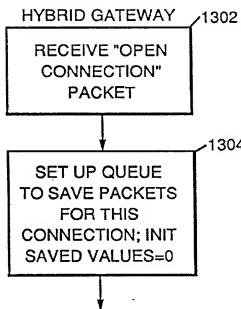


FIG. 13b.

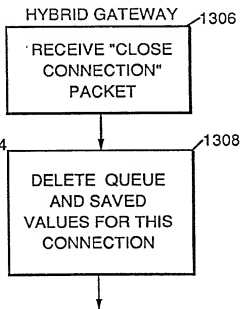


FIG. 13c.

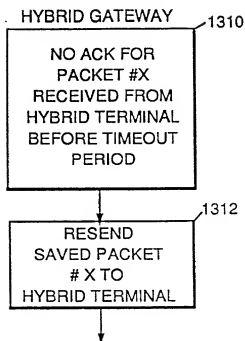


FIG. 13d.

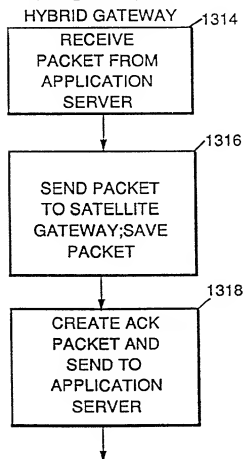
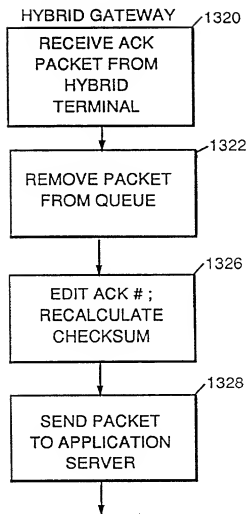


FIG. 13e.



1410

1412

Terrestrial Telnet Enable: ☐ Select All (except **)

<input type="checkbox"/>	Domain Name System	(53)
<input checked="" type="checkbox"/>	Finger	(79)
<input checked="" type="checkbox"/>	Ping	(NA)
**	Simple Mail Transfer Protocol	(25)
<input checked="" type="checkbox"/>	Telnet	(23)

Application Name

Protocol: ☒ TCP/UDP ☒ Other

Port Id Protocol Id:

Help Cancel Add Delete OK

FIG. 14

DA = application server	SA = satellite interface	IP header checksum	TCP/UDP checksum	Request Data
-------------------------------	--------------------------------	-----------------------	---------------------	--------------

FIG. 16A: ORIGINAL REQUEST PACKET

new DA = hybrid gateway	new SA = SLIP provider	new IP header checksum	DA = application server	SA = satellite interface	IP header checksum	TCP/UDP checksum	Request Data
-------------------------------	------------------------------	------------------------------	-------------------------------	--------------------------------	--------------------------	---------------------	-----------------

FIB. 16B: TUNNELED SATELLITE REQUEST PACKET

DA = application server	(new) SA = SLIP provider	(new) IP header checksum	(new) TCP/UDP checksum	Request Data
-------------------------	--------------------------	--------------------------	------------------------	--------------

FIG. 16C: TERRESTRIAL REQUEST PACKET

DA = SLIP provider	SA = application server	IP header checksum	TCP/UDP checksum	Request Data
-----------------------	-------------------------------	-----------------------	---------------------	--------------

FIG. 16D: TERRESTRIAL REPLY PACKET

(new) DA = satellite interface	SA = application server	IP header checksum	TCP/UDP checksum	Request Data
--------------------------------------	-------------------------------	-----------------------	---------------------	--------------

FIG. 16E: MODIFIED TERRESTRIAL REPLY PACKET

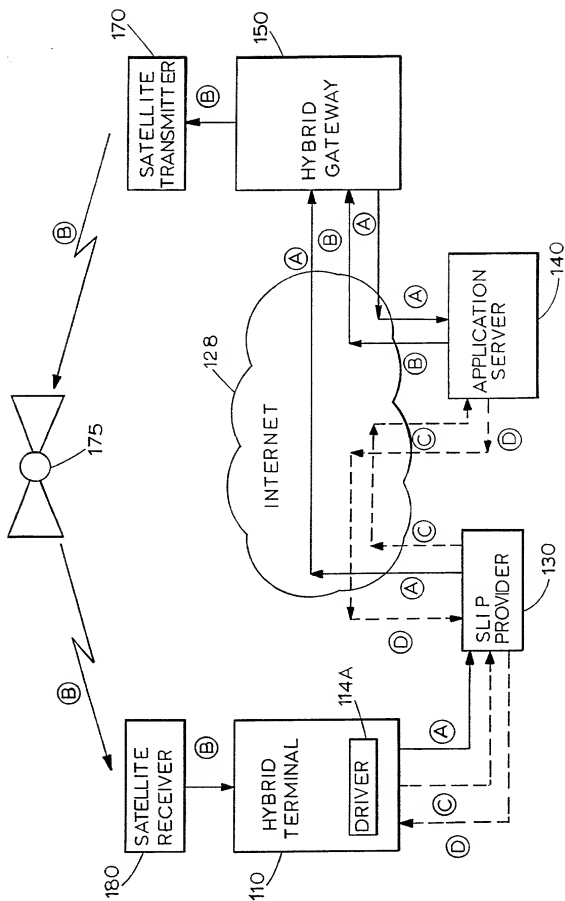


FIG. 15

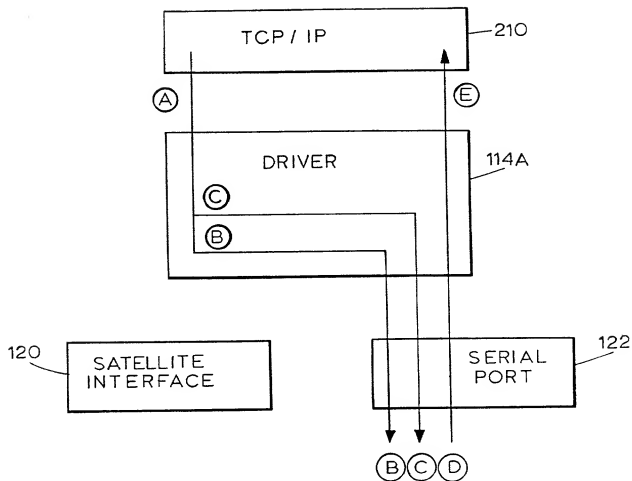


FIG. 16